

SUMMARY

Range Safety was involved in a number of exciting and challenging activities and events in 2012 involving the development, implementation, and support of range safety policies and procedures.

Advancing our effort to provide training at various levels of Range Safety, NASA Range Safety has conducted over 52 training courses for NASA, DoD, FAA, and contractor personnel. Over 1000 students have participated to date, with 684 students participating in 26 Range Safety Orientation courses. While NSTC funding for this training was again reduced, the Agency Range Safety Program was able to fund two courses in 2012, one to provide requested Flight Safety Systems training at WFF and a second to develop a Flight Safety Systems video course to be made available through SATERN. NASA Range Safety also provided hands-on training of the JARSS Risk Analysis tool to personnel from multiple NASA Centers who are expected to perform risk analysis for their flight operations.

Range Safety representatives took part in a number of panels and councils, including the Range Commanders Council Range Safety Group and its subcommittees. Range Safety representatives from NASA HQ Office of Safety and Mission Assurance, KSC, DFRC, and WFF actively supported the two Range Safety Groups held in 2012. DFRC served as the Flight Termination Systems Committee Chair, while WFF served as the RSG Chair for the entire group.

Range Safety also participated in the evaluation of several emerging technologies, including the AFSS for expendable launch vehicles. JARSS was modified to provide a user interface for flight analysts to make the configuration files containing the safety rules AFSS needs for specific missions. JARSS Mission Planning and Real Time tools also supported the successful landing operations of the X-37B after 15 months in orbit. JARSS Mission Planning tools made it possible for analysts to meet the critical time lines for this mission.

We hope you found the 2012 Range Safety Annual Report to be usable and informative. As we move into 2013, we look forward to the opportunities and challenges of ensuring the safety of NASA activities and operations.

Anyone having questions or wishing to have an article included in the 2013 Range Safety Annual Report should contact Alan Dumont, the NASA Range Safety Program Manager located at the Kennedy Space Center.